Early pandemic forecast for Portugal M: repeated single-output M: multi-output M: multi-output (deaths + mobility) (deaths) (deaths) per million of population Prediction Prediction Prediction Truth Truth Truth Death incidence 10 10 5 5 5 0 0 0 8 10 0 8 10 8 10 Days since April 22 2020 Days since April 22 2020 Days since April 22 2020 B: Bi-LSTM (deaths) B: LSTM (deaths) B: GRU (deaths + mobility) per million of population Prediction Prediction Prediction Truth Truth Truth Death incidence 10 10 5 5 5 12 10 12 8 10 8 8 6 10 12 6 Days since April 22 2020 Days since April 22 2020 Days since April 22 2020 **B**: Persistence B: ARIMA wavelet per million of population Prediction Prediction Truth Truth Death incidence 10 5 5 0 2 10 12 10 12 8 2 0 6 0 6 Days since April 22 2020 Days since April 22 2020